



**MOPD**  
Mayor's Office for  
**People with Disabilities**

Accessible Pedestrian Signals  
Pilot Project – Citywide and  
Central Loop  
Public Meeting Open House  
July 18, 2019

# TODAY'S GOALS

- Provide a project overview
- Present the design process and evaluation criteria
- Discuss schedule and next steps
- Present prioritized locations
- Receive your input!

# PROJECT GOALS

- Support people with visual and hearing disabilities
- Support CDOT's initiative for citywide APS implementation
- Develop best practices

# PROJECT OVERVIEW

- What are Accessible Pedestrian Signals?
  - Audible tones
  - Speech messages
  - Vibrating surfaces
- APS Benefits
  - Enhance pedestrian safety
  - Enhance pedestrian mobility
  - Enhance pedestrian accessibility

# PROJECT OVERVIEW

- APS Investigation
  - Design Guidelines
  - Equipment
- Project Design Requirements
  - MUTCD Compliant
  - Active Detection
  - Audible Indications
  - Vibrotactile Push Button

# DESIGN PROCESS

- Stakeholder coordination
- Draft locations
  - Near public transportation
  - Six location environments
- Evaluation criteria developed

# EVALUATION CRITERIA

- Prioritization Worksheet Tool

- Intersection Factors
- Geometric Factors
- Signal Control Factors

Intersection Worksheet				
Location:				
Evaluator:		Comments (From Engineer and/or Mobility Instructor)		
Date:				
Configuration (check one)		Geometric Factors		
4-leg	0	Curb radius > 25 ft	+1 per corner	
4-leg offset	3	Islands or medians	+1 per element	
3-leg (T or Y)	3	Apex (diagonal) curb ramp	+1 per corner	
5 or more legs	12	Crossing distance > 75	+2 per crossing	
Mid-block location	14	Crossing distance > 100	+4 per crossing	
Signalization (check one & LPI if applicable)		Crossing distance > 120	+7 per crossing	
Pre-timed	0	Skewed crosswalk	+7 per skew	
Actuated (semi or fully)	2	Note:		
Split Phasing	8			
Exclusive pedestrian phase	8			
LPI – Leading Pedestrian Interval	8			
Transit Facilities within a block (1/8 mile) of the intersection – all legs (check one)		Signal Control Factors		
No transit facilities	0	Right turn on red permitted	+2 per leg	
Single bus route	1	Leading protected left turn phase	+3 per phase	
Multiple bus routes	3	Non-concurrent WALK interval	+4 per phase	
Transit mall/rail station	5	Protected right turn phase or right turn overlap phase	+7 per leg	
Distance to Program for Visually Impaired (check one)		Channelized right turn lane under signal control	+8 per leg	
> 2640 ft.	0	Comments on Further Consideration		
< 2640 ft. (approx. 4 blocks)	8			
< 1320 ft. (approx. 2 blocks)	8			
< 660 ft. (approx. 1 block)	10			
Distance to High Pedestrian Generators (check one)				
> 2640 ft.	0			
< 2640 ft. (approx. 4 blocks)	8			
< 1320 ft. (approx. 2 blocks)	7			
< 660 ft. (approx. 1 block)	8			
Intersection Worksheet Score		Comments Score	Total Score	

# EVALUATION CRITERIA

- Intersection Factors
  - Intersection Configuration
  - Type of Traffic Signalization
  - Distance to Transit Facilities
  - Distance to Visually Impaired Facilities
  - Distance to High Pedestrian Generators



# EVALUATION CRITERIA

- Geometric Factors
  - Curb radius greater than 25'
  - Pedestrian islands or medians
  - Apex curb ramps
  - Crosswalk skews
  - Crossing distance
    - Greater than 75'
    - Greater than 100'
    - Greater than 120'

# EVALUATION CRITERIA

- Signal Control Factors
  - Right turns permitted on red
  - Leading protected left turn phase
  - Non-concurrent WALK intervals
  - Protected right turn or right turn overlap phases
  - Channelized right turn lane under signal control

# PRIORTIZED LOCATIONS

- Prioritized list of 65 locations
  - APS Locations to be installed
  - APS Locations likely to be installed
  - APS Locations funding dependent
- CDOT committed to install up 25 to 50 locations

# **SCHEDULE AND NEXT STEPS**

- Finalize APS locations – August 2019
- Complete Design – 2020 Q1
- Complete Construction – 2021

# **WE WANT YOUR FEEDBACK!**

- View other presentations
- Talk with project team members
- Provide a formal written comment
- Written comments will be accepted through Aug. 1



# THANK YOU!

Email

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Website

[www.Chicago.gov/city/en/depts/cdot/supp\\_info/aps.html](http://www.Chicago.gov/city/en/depts/cdot/supp_info/aps.html)  
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